a' cncl'd.

to fail from varying radial centrifugal loads and/or that is more reliable, and/or easier to repair and replace.--

2. Replace the paragraph at page 7, lines 19-30, with the following:

a2

-- A resistive element 124 is connected between the first 106 and second 108 conductive circuit runs. Thus, the resistive element 124, as will be described and depicted more explicitly herein below, is electrically connected in parallel with each of the first 118 and second 120 diode circuits, and provides electrical protection for each. The resistive element 124, in a preferred embodiment, has a resistance of 300 ohms and a power rating of 100 watts, though these ratings may be changed to meet the specific requirements of the generator. Additionally, the resistive element 124 may be one of many resistor designs known in the art including, but not limited to, ceramic, wire-wound, and semiconductor resistors. However, the resistive element 124 is preferably a flat, thin-film resistor. This type of resistor is small and, because it can be formed into a flat orientation, the centrifugal load is distributed evenly across the resistor body.--

3. Replace the paragraph at page 8, lines 10-17, with the following:

a3

--Preferably, the diodes 118-1, 118-2, . . . 118-n, 120-1, 120-2, . . . 120-n, the first and second DC output terminals 114, 116, and the AC input terminal 112, are coupled to the rectifier module assembly 100 by a brazing process. An integral brazed module provides improved structural integrity over other known methods of component connection. It will be appreciated that brazing is only exemplary of the preferred embodiment and that other known connection processes, such as soldering, or the use of conductive epoxies, are also encompassed by the present invention.--

4. Replace the paragraph at page 9, lines 16-23, with the following

a4

--For completeness of understanding, a perspective view of a preferred embodiment of a multi-pole high speed generator 900 into which the rectifier circuit module assembly 100 is mounted, is depicted in FIG. 9. Additionally, a cross section view, depicting the internal structure of the generator 900, is illustrated in FIG. 10. As depicted therein, the rotor assembly 400 is surrounded by a stationary stator assembly 450. Also depicted is the exciter armature 408 and hub 410, into which one or more of the rectifier module assemblies 100 are removably mounted.--

REMARKS

This is a full and timely response to the non-final Office Action mailed October 1, 2002 (Paper No. 9). Reexamination and reconsideration in light of the above amendments and following remarks are courteously requested.

Claims 1-67 remain pending in the application, with Claims 1, 18, 35, 60, 58 and 64 being the independent claims.

Applicants wish to thank Examiner Lam for his thorough review of the specification and claims, and his clear explanation of the rejections set forth in the above-noted Office Action.

Specification

Before proceeding with the merits of the Office Action, it is noted that Applicant has taken this opportunity to amend the specification, as necessary, to clear up some minor typographical and grammatical errors.